



SONO WAVES

a publication of
FURNESS-NEWBURGE, INC.

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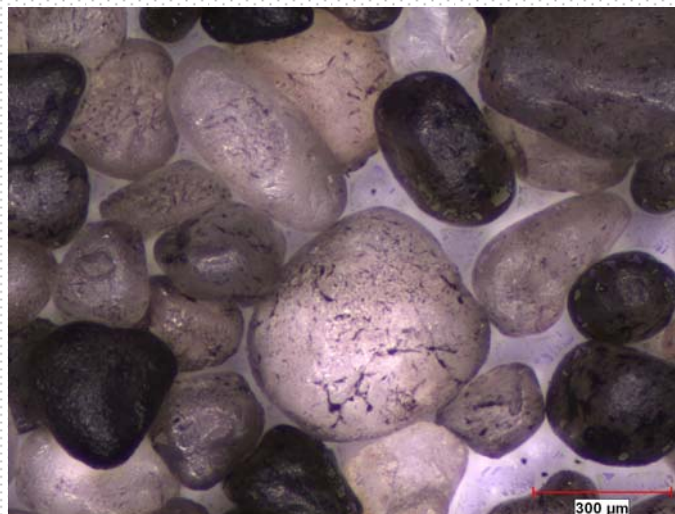
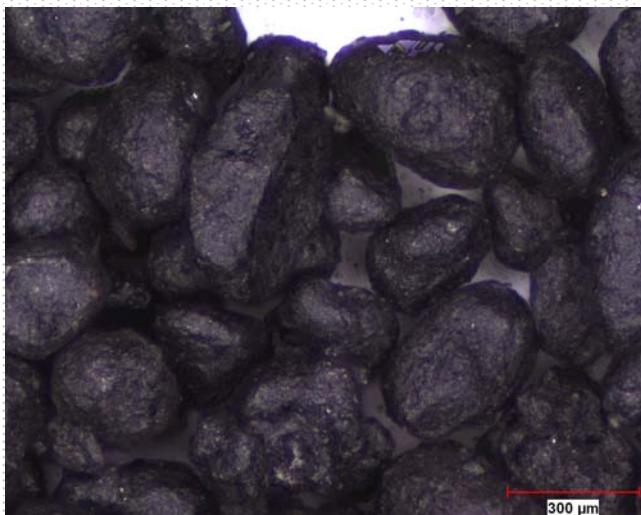
OCTOBER 1, 2007

2007 YTD ACHIEVEMENTS

- Installed additional Pneu-Col™ systems providing beneficial AAOP technology to small and medium size foundries.
- Developed and implemented a new concept of “Superheated Purge” for core blowing systems. Clients report the following benefits: reduced cycle time, reduced binder levels, higher out of box strength, improved overall core room efficiency and the ability to make cores utilizing some of the world’s lowest emission core binders that they previously thought (and were told) could only be made in the highest emission core binder systems.

This new concept is already in full scale production at multiple foundries using both low emission and high emission core resin technology.

- Continued our second year of participation in reuse of waste green sand research with Penn State University and Neenah Foundry Company. This work is partially funded by the National Science Foundation and partially by the participants. Neenah Foundry Company found that both the residual clay and coal could be reused directly back into the green sand system and the reclaimed sand could be used at the rate of 100% back into the phenolic-urethane amine core process with casting quality equal to 100% new sand. The final stage of the research was at full scale and the production system will be in operation in early 2008.



Before and after photos on the previous page are of waste green sand reclaimed with the Sonoperoxone® acoustic advanced oxidation process that included the innovative PNEU COL™ clarification system for silica/clay separation and controlling sand screen size distribution. The sand on the right was used at the rate of 100% to produce technically challenging ductile iron castings that were equal in all aspects of quality to castings made from 100% new sand.

Two technical papers have been submitted for presentation at the AFS CastExpo in Atlanta, May 17-20. We hope to see you there.

**Inquire about a PNEU COL™ SYSTEM custom designed for your foundry
Call 859-873-0328 or send an email to one of the addresses given below**



Typical PNEU COL™ system shown at FNI in Kentucky

**GREGG INDUSTRIES, INC., El Monte, California,
successfully concludes negotiations with AQMD
during September 2007.**

Using a combination odor scrubber-blackwater Sonoperoxone® system and foundry practice improvements over the past two years, Gregg repositioned itself in front of the AQMD hearing board and is now proceeding with plans to expand operations utilizing low emission technologies. Find out how you too can mitigate neighbor complaints and impress regulators using this state of the art emission reducing equipment and technology.

**We look forward to hearing from you soon by telephone at
859 873 0328 or by email at the following addresses:**

jimfurness@gmail.com—Jim Furness, President
mamanewbs@yahoo.com—Lynn Furness, CFO
pdpaulsen@windstream.net— Dr. Paul D. Paulsen, Technical Dir
tangle343@gmail.com - Tom Angle, Engineer

Plan ahead for 2008:

Visit the expanded web site for
LETCAST at www.letcast.org for valuable
information on low emission technologies

Attend CastExpo in Atlanta May 17-20
and stop to see us at booth number 3160

**HAPPY AUTUMN
Jim, Lynn, Dave, and Tom**

